

## Viewline Pitot Speedometer / Level gauge

### Description

Indication of Boat Speed  
Indication of Fuel Tank levels

### Features

- LED Illumination
- Backlit Technology
- Changeable Frontbezels
- Integrated Warning LED
- Antifog and splash protection
- Panel and Flush mount possibility



Picture: Pitot Speedometer / Level gauge

### Concept

Housing	Polycarbonat (PC)
Bezel	PC (black, white) or ABS (chrome); several colors and shapes (see accessories)
Lens	PMMA; double lens
Dial	backlit; different colors (black, white)
Pointer	backlit, white on black dials; red on white dials
Illumination	backlit Dial: LED amber (605nm) Pointer: LED red (632nm)
Warning LED	red (632nm)
Mounting	Spinlock Nut; locking height 0,5mm – 20mm, Optional Studs and Bracket; locking height 2 – 15mm
Connection	8/14 pin MQS connector system

**Technical Data**

Installation depth	87mm	
Tube diameter	3,6mm (inner)	
Installation diameter	110mm	
Deflection angle Pitot Speedo	270°	
Deflection angle Fuel level	90°	
Operating Voltage	10 – 16 Volt	
Accuracy Pitot Speedo	± 2 mph	
Accuracy Fuel level	< 3,6 angular degrees	
Current consumption	< 130 mA, including Warning LED	
Operating temperature	-30°C to +80°C; plated bezels (chrome) -30°C to +70°C	
Storage temperature	-40°C to +80°C for 48h; plated bezels (chrome) -40°C to +70°C +90°C for 1h	
Temperature shock	Range	-40°C to +85°C; plated bezels (chrome) -40°C to +70°C
	Transformation time	10 seconds
	Retention time	2h
Climatic test	Range	+25°C to +55°C
	Rel. Humidity	95%
Vibration	Sinus 2g; 10-500Hz; duration 16h Noise 3g; 10-1000Hz, duration 8h	
Mechanical shock	continuous	25g; 6ms; 1Hz
	Single shock	100g; 11ms
	Free fall	1m; 3 times
Chemical resistance against	<ul style="list-style-type: none"> <li>- preservative agent</li> <li>- preservative agent remover</li> <li>- cold cleaner</li> <li>- methylated spirit</li> <li>- interior cleaner</li> <li>- drinks containing caffeine and tannin</li> </ul>	
Nominal position	NL 0 to NL 90 (DIN16257)	
Protection class	according to IEC 60529 Front: IP67 (in Nominal position) Rear: IP52 (in Nominal position)	
Reverse polarity protection	yes, 5 minutes	
Over voltage protection	yes, 1 minute	

## available Gauges:

No. unpacked *	Dial color	Double Scale	Measurement range Pitot Speedo	Measurement range Fuel level	ISO Symbol	Senor Fuel level	Voltage	Double lens
A2C53406160	black	yes	10 – 43 kn 10 – 80 km/h	0 to 1/1		3 – 180 Ohm	12 Volt	yes
A2C53406159	white	yes	10 – 43 kn 10 – 80 km/h	0 to 1/1		3 – 180 Ohm	12 Volt	yes
<b>TBD</b>	black	yes	2 – 30 mph 10- 50 km/h	E - F		240 – 33,5 Ohm	12 Volt	yes
<b>TBD</b>	white	yes	2 – 30 mph 10- 50 km/h	E - F		240 – 33,5 Ohm	12 Volt	yes
<b>TBD</b>	black	yes	10 – 50 mph 10- 80 km/h	E - F		240 – 33,5 Ohm	12 Volt	yes
<b>TBD</b>	white	yes	10 – 50 mph 10- 80 km/h	E - F		240 – 33,5 Ohm	12 Volt	yes
<b>TBD</b>	black	yes	10 – 80 mph 20 – 130 km/h	E - F		240 – 33,5 Ohm	12 Volt	yes
<b>TBD</b>	white	yes	10 – 80 mph 20 – 130 km/h	E - F		240 – 33,5 Ohm	12 Volt	yes

\* "No. unpacked" is not a order number.

## Accessories:

A2C59510886	VL Make point switch 12V
A2C59510854	VL Mounting Kit (studs and brackets) 52, 85, 110mm
A2C59510864	VL Mounting bracket flush mount
A2C53215642	VL Sealing Ring 110mm flush mount
A2C59510847	Bush housing, 8-pin
A2C59510848	Bush housing 14-pin
A2C53324664	Protective connector cap, 8-pin
A2C53324671	Protective connector cap, 14-pin
Tyco Nr. 539635-1	Hand pliers
Tyco Nr. 539682-2	Tool for hand pliers.
Tyco Nr. 1355718-1	Single contacts 0.14 – 0.22 mm <sup>2</sup> tin plated
Tyco Nr. 963729-1	Single contacts 0.5 – 0.75 mm <sup>2</sup> tin plated
Tyco Nr. 1355717-1	Strip 0.14 – 0.22 mm <sup>2</sup> tin plated
Tyco Nr. 928999-1	Strip 0.25 – 0.5 mm <sup>2</sup> tin plated
Tyco Nr. 963715-1	Strip 0.5 – 0.75 mm <sup>2</sup> tin plated

## Bezels 110mm

	Black	Chrome	White
<b>Flat</b>	A2C53210745	A2C53210747	A2C53210746
<b>Round</b>	A2C53210749	A2C53210761	A2C53210764
<b>Triangle</b>	A2C53210763	A2C53210765	A2C53192920